



525LA POWER AMPLIFIER

25 Watts
RF Power
For:

- UHF Amplifier
- Component Testing
- Laboratory use



- 1 MHz to 500 MHz
- Instantaneous Bandwidth
- Operates into any load
- Solid State
- Air Cooled

The 525LA Amplifier is a broad band rugged source of RF power, useful for RFI/EMI, power meter calibration, laser modulation and general laboratory applications. The 525LA amplifier represents E&I's commitment to providing RF power amplifiers of the highest quality, durability and ruggedness.

FLEXIBILITY:

The 525LA produces over 25 Watts of Class A linear power output over the entire frequency range from 1MHz to 500 MHz. with a power gain of 50 dB. It has very low harmonic distortion along with low IMD products. Operation over the band is achieved without the need for any band switching or indeed any adjustments, with a gain flatness of +/- 2.5 dB and a 3rd order intercept point of +56dBm

The 525LA is compatible with most signal generators, frequency synthesizers, sweep generators and other laboratory signal sources. It accurately reproduces all waveforms within its power and frequency ranges: AM, FM, SSB, pulsed and other complex modulation schemes.

RUGGEDNESS:

The 525LA is built to withstand a +13 dBm input (1.0 Volt RMS) for any VSWR load condition. The internal switched mode power supply is very conservatively rated, in order to facilitate operation over a large range of line conditions and temperatures. The forced air cooling provides for low internal temperatures, providing long term reliability.

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Class of Operation

Class A

Frequency Range

1 to 500 MHz

Rated Power Output

25 Watts (P1dB)

Saturated Power Output

35 Watts

Gain

50 dB (nominal)

Gain Flatness

+/- 2.5 dB

Input Power for rated Pout

1 mW

Input Impedance / VSWR

50Ω / 1.8:1 maximum

Output Impedance / VSWR

50Ω / 1.5:1 maximum

Harmonic Level

< -25dBc

Ruggedness

∞:1 VSWR

Stability

Unconditional into any passive load

Protection

Input: Unit will withstand input signal of +13 dBm without damage (1.0 V rms max.) an infinite load VSWR

Front Panel

Input and Output ports
On/Off Switch

Third Order Intercept Point

IP3 ~ 56 dBm

AC Input

100 – 240 VAC 47-63 Hz

Temperature Range

0 – 40 C

Cooling

Forced air

Weight

25 lbs (9 Kg)

Dimensions (H x W x D)

20 ¼ x 12 x 6 ¾ inches
514 x 305 x 171.5 mm



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